CHICAGO Electric®

PARABOLIC HEATER
800 / 400 WATT

Model 94777

ASSEMBLY AND OPERATION INSTRUCTIONS

3491 Mission Oaks Blvd., Camarillo, CA 93011

Visit our website at: http://www.harborfreight.com

TO PREVENT SERIOUS INJURY, READ AND UNDERSTAND ALL WARNINGS AND INSTRUCTIONS BEFORE USE.

Copyright© 2006 by Harbor Freight Tools®. All rights reserved. No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools.

For technical questions or replacement parts, please call 1-800-444-3353.

Manual Revised 12g

SPECIFICATIONS

Power Requirement	120 V~, 60 Hz, 400 / 800 watts
Heater Type	Indoor, residential, floor use only
5-position Switch	**OFF**, **LO**, **LO** ↔, **HI**, **HI** ↔ See page 4 for explanation.
Heating Element	3-1/2 (dia.) x 2-9/16 (H) inches
Tilting Angles	5 position
Cutoff Switch	Unit shuts off when lifted off the floor
Features	Oscillating (left / right) heating element
Weight	4.1 lb.

Intertek
3068797

Save this Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

IMPORTANT INSTRUCTIONS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. **Read all instructions before using this heater.**
2. **This heater is hot when in use.** To avoid burns, do not let bare skin touch hot surfaces. Use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.
3. **Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.**
4. **Always unplug heater when not in use.**
5. Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater or return heater to authorized service facility for examination, electrical or mechanical adjustment, or repair.
6. **Do not use outdoors.**
7. **This heater is not intended for use in bathrooms, laundry areas and similar indoor locations.** Never locate heater where it may fall into a bathtub or other water container.
8. Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

9. **To disconnect heater, turn controls to off, then remove plug from outlet.**

10. **Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.**

11. **To prevent a possible fire, do not block air intakes or exhaust in any manner.** Do not use on soft surfaces, like a bed, where openings may become blocked.

12. **A heater has hot and arcing or sparking parts inside.** Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.

13. **Use this heater only as described in this manual.** Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

14. Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).

15. **This heater may include a visual alarm to warn that parts of the heater are getting excessively hot.** If the alarm flashes, immediately turn the heater off and inspect for any objects on or adjacent to the heater that may cause high temperatures. DO NOT OPERATE THE HEATER WITH THE ALARM FLASHING.

16. **The output of this heater may vary and its temperature may become intense enough to burn exposed skin.** Use of this heater is not recommended for persons with reduced sensitivity to heat or an inability to react to avoid burns.

17. **Heater service must be performed only by an authorized service representative.** Service or maintenance performed by unqualified personnel could result in a risk of fire or injury.

18. **This double insulated heater is equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Connect to properly grounded outlets only.**

19. **Do not abuse the Power Cord. Never use the Power Cord to carry this heater or pull the Plug from an outlet. Keep the Power Cord away from heat, oil, or sharp edges. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.

20. **Disconnect the Power Cord Plug from the power source and allow the heater to thoroughly cool before making any adjustments, changing accessories, or storing this heater.** Such preventive safety measures reduce the risk of burns.

21. **When servicing this heater, use only identical replacement parts. Follow instructions in the *"Inspection, Maintenance, and Cleaning"* section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

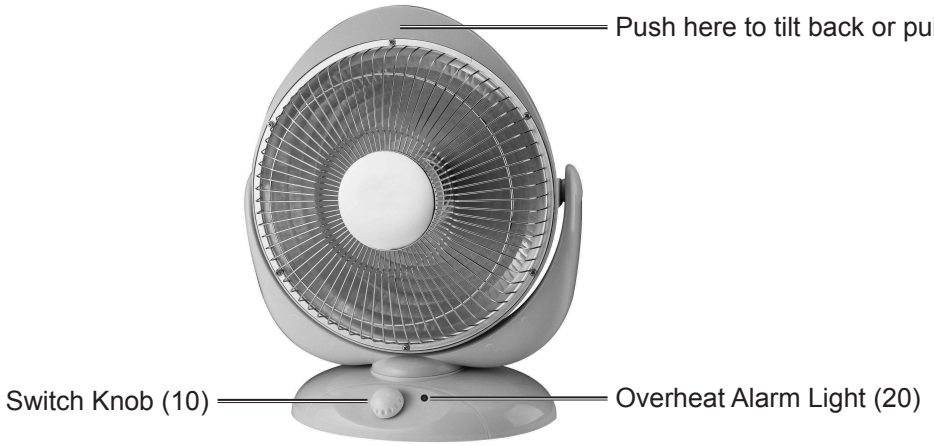
SAVE THESE INSTRUCTIONS

UNPACKING

When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual as soon as possible.

OPERATING INSTRUCTIONS

1. Place the Parabolic Heater on a dry floor away from any combustible materials.
2. Also keep pets and children away from the Parabolic Heater.
3. Plug the line cord into an electrical outlet.



4. Turn the Switch Knob to the desired operation setting. LO (low-heat, no movement), LO ◄► (low-heat, oscillating), HI (high-heat, no movement), HI ◄► (high-heat, oscillating)
5. When finished using the Parabolic Heater, turn the Switch Knob to Off.
6. Wait for it to cool down completely before storing. **WARNING! Storing or moving this heater while hot or plugged in could result in fire or severe burns.**

Safety Features

1. This heater includes a safety Tip-over Switch (11) that will shut off the heater if it becomes tipped over.
2. This heater also includes a Thermal Cut-off Switch (5). This will shut off the heater if it starts to overheat. The Overheat Alarm light will illuminate as well. If this occurs, unplug the heater, allow the unit to cool completely and remove all obstructions from near the heater's vents before resuming use.

INSPECTION, MAINTENANCE, AND CLEANING

⚠ **WARNING! Make sure the Power Switch of the Parabolic Heater is in its "OFF" position, that the tool is unplugged from its electrical outlet, and that the unit has cooled completely before performing any inspection, maintenance, or cleaning procedures.**

1. **Before each use,** inspect the general condition of the Parabolic Heater. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged equipment.**

2. Wipe the exterior surfaces of the heater occasionally with a *slightly* moist cloth (not dripping wet) with a solution of mild detergent and water. Dry the case thoroughly with a soft dry cloth before operating the heater.
   WARNING: Do not allow water to run into the interior of the heater as this could create a fire or electric shock hazard.

3. Store in a clean and dry location out of children's reach, and only after it has cooled down completely.

4. **WARNING:** Any maintenance to the Parabolic Heater must be completed by a qualified technician.

TROUBLESHOOTING

<u>If the heater stops operating, try the following solutions:</u>

a. Make sure that the heater is plugged in.

b. Ensure that the outlet used is powered and that the circuit breaker is not tripped.

c. Eliminate the use of an extension cord, if possible. Otherwise, use an extension cord with less length or greater size (a lower AWG # indicates increased size).

d. Check for any obstruction in the heater's vents. If an obstruction is found, unplug the heater and wait for it to cool completely. Then, carefully remove the obstruction.

e. If the heater is placed on a soft surface, then the Tip-over Switch (11) may prevent the heater from operating. **To reduce the risk of fire, the heater is not to be placed on soft surfaces – see # 12 on page 3.**

If the above remedies do not solve the problem, take the heater to a qualified service technician for diagnosis and repair.

PARTS LIST

Part	Description
1	Safety Grill
2	Heating Element
3	Support, Heating Element
4	Power Switch
5	Thermal Cut-Off Switch
6	Motor
7	Reflector
8	Support, Fixing
9	Screw
10	Switch Knob

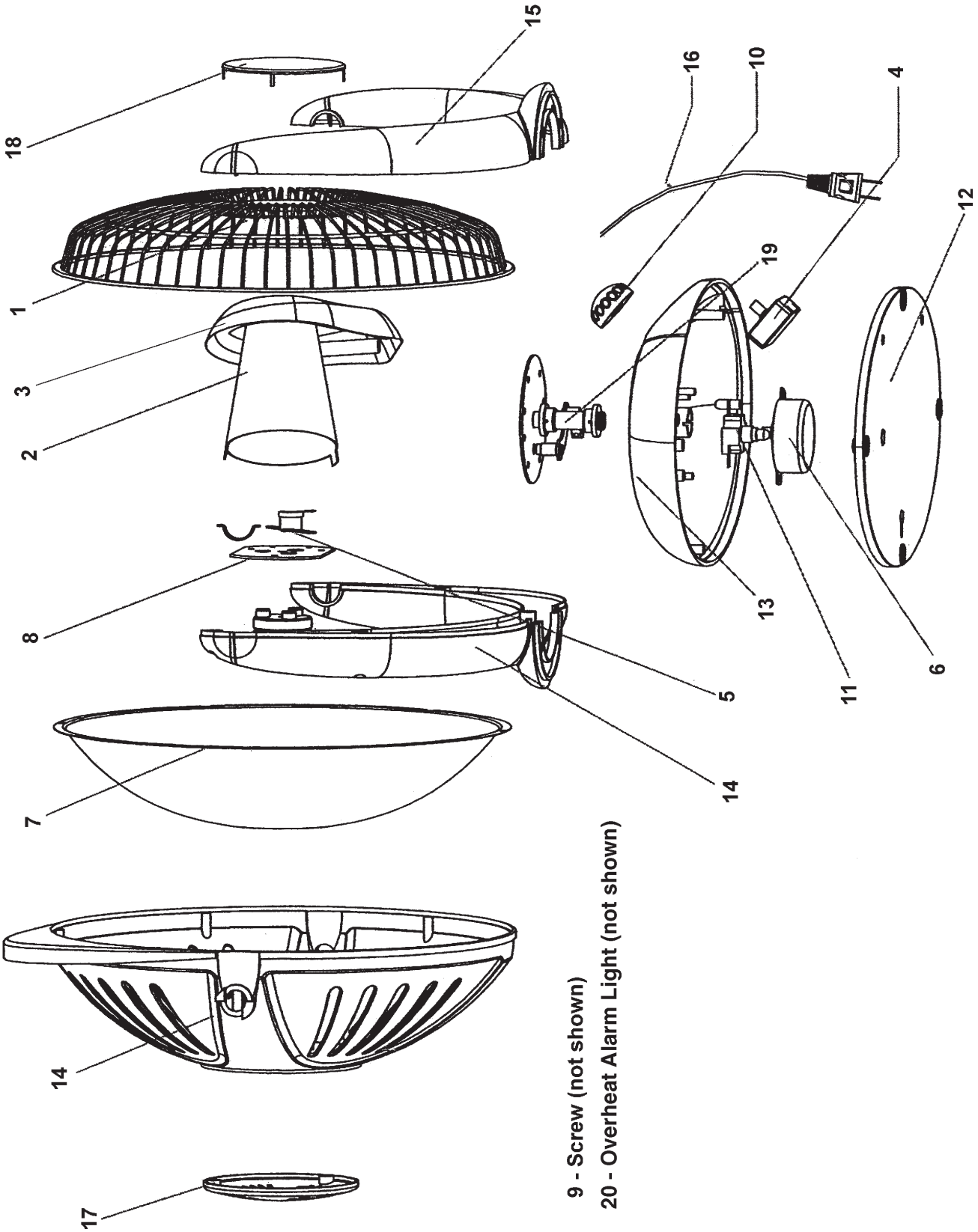
Part	Description
11	Switch, Tip-Over
12	Base Board
13	Base
14	Rear Cover Support
15	Front Cover Support
16	Power Cord
17	End Cover
18	Front Board
19	Swing Assembly
20	Overheat Alarm Light

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

ASSEMBLY DIAGRAM



Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

CHICAGO® Electric

3491 Mission Oaks Blvd. • PO Box 6009 • Camarillo, CA 93011 • (800) 444-3353